



Iowa-Grant's 1st Year using Microsoft Intune for Education



The Good, Bad & OMG!



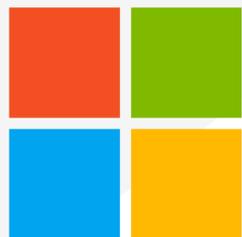
Stephanie Dirks &
Dan Steinbach
Iowa-Grant School District



Christopher Urban
Sr. Program Manager
Microsoft

Iowa-Grant School District

Where Together We Make a Difference



Agenda



Background

Microsoft Solution

Iowa-Grant's Implementation

- Good
- Bad
- OMG

Information Technology Goals



Improved student outcomes



Teacher time savings



Lower total cost of ownership



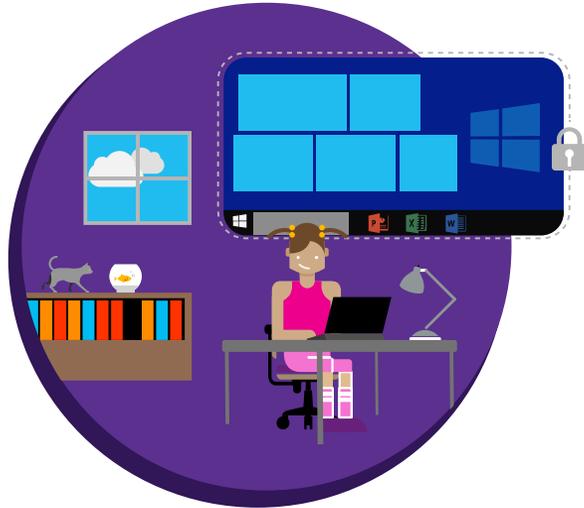
Simplified IT management

Creating the Conditions for Learning

Microsoft Education is an affordable, secure learning platform with easy to manage devices, collaboration tools and apps teachers and students love

Azure Active Directory

Azure Active Directory enables fast single sign-on to authenticate identity so students and teachers can get on to the important work of teaching and learning



Security and productivity

Azure Active Directory works with Intune for Education to ensure students can sign on quickly and reach all the tools they need to work collaboratively and securely at school or at home, online and offline



Azure AD protects, and never collects, sensitive student information



Connected and future-ready

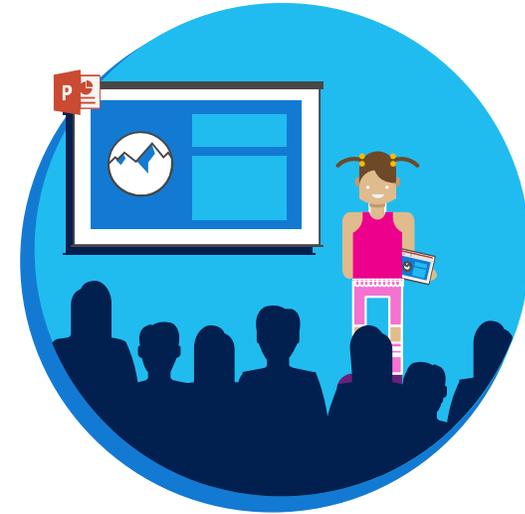
Intune for Education, integrated with School Data Sync, Teams, and OneNote, work together seamlessly so teachers can unlock students' creativity and develop future-ready skills



Windows 10 devices enable productivity online and offline

Intune for Education

Intune for Education is a solution designed specifically to manage and connect education technology



Simple and powerful

Intune for Education provides a simple way to deploy and manage a range of powerful Windows 10 devices and applications like Office 365, Adobe Photoshop, and those for STEM that meet classroom needs and unleash student capabilities

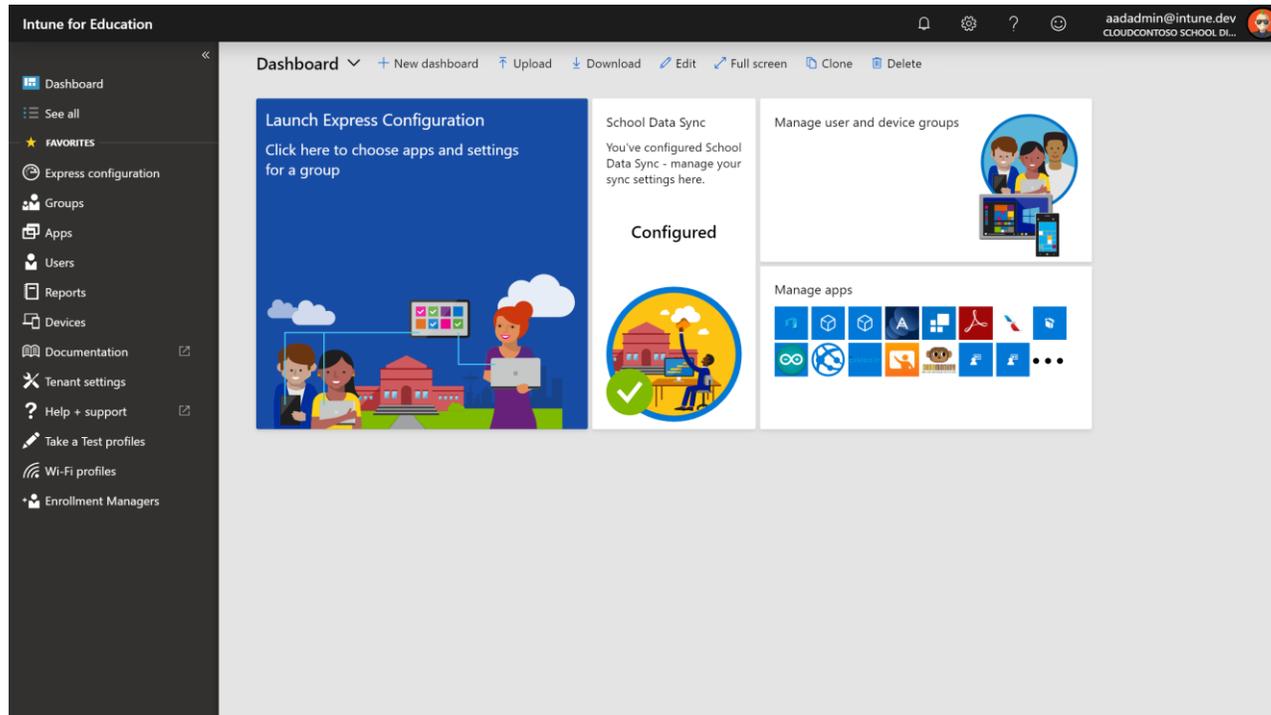


Intune* manages powerful apps and multiple operating systems

*Full Intune console for enterprises is available with Intune for Education.

Intune for Education

A simpler way to deploy and manage classroom devices



- **Simple enrollment**
 - Bring devices under management simply by AAD joining or using Company Portal
- **Easy deployment**
 - Full IT service or delegate with USB setup key
- **Zero touch management**
 - Apps and settings applied to each enrolled device by default
- **Easier shared device management**
 - Each user can get different settings/apps if required
- **Designed for Education**
 - Easy to use for common school scenarios and settings
- **Import school, student and teacher info quickly**
 - Use School Data Sync to automatically create classes and keep student data up-to-date

FastTrack for Microsoft 365

Your partner for Microsoft 365 success

Onboard to Microsoft 365 services and migrate your data

Deploy chat-based collaboration and productivity apps

Enable identity, device management, and modern security

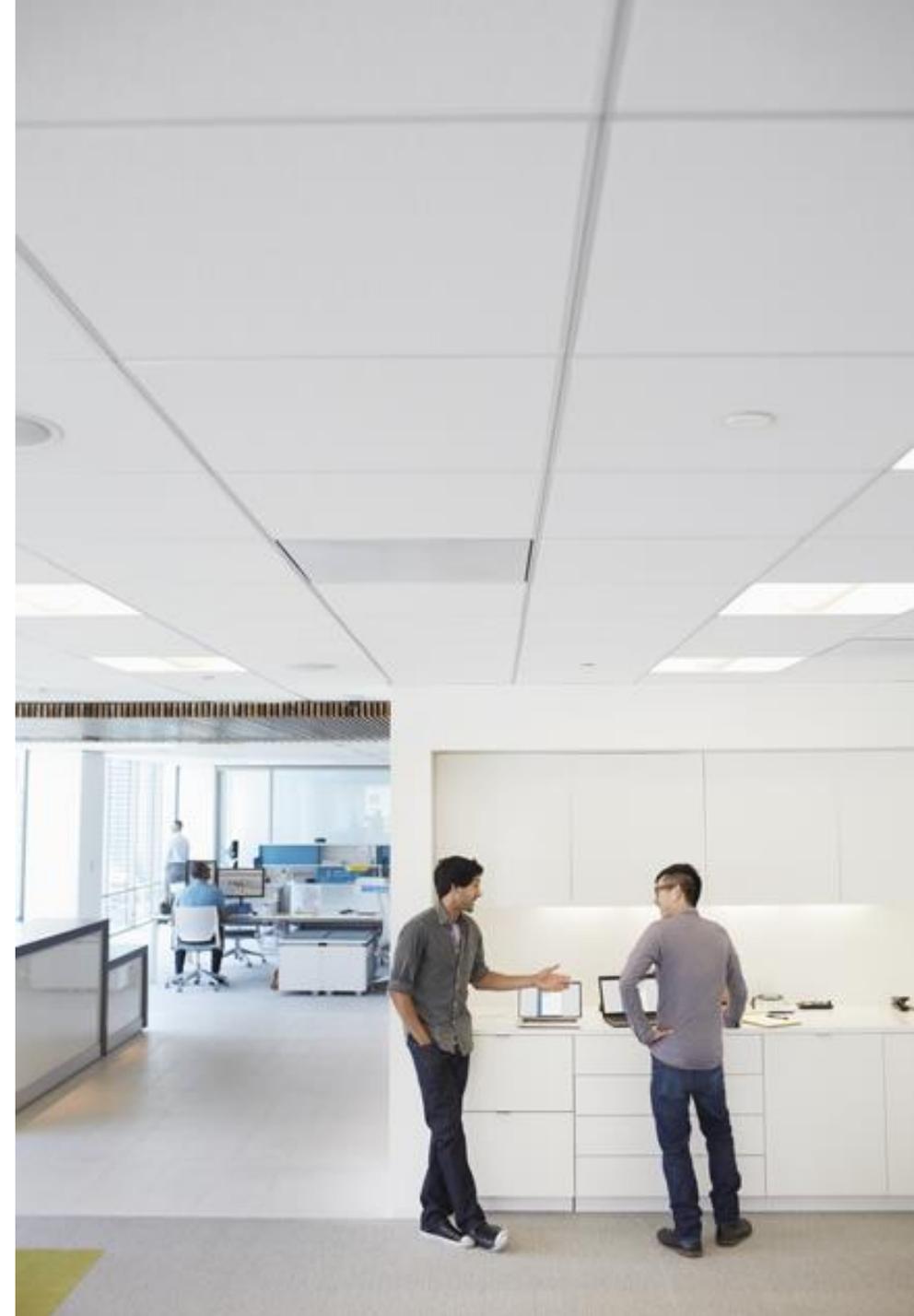
New! Application compatibility services for modern desktop

Gain customer user adoption and realize business value

Delivered by Microsoft engineers or approved partners

Included in your eligible subscription at no additional cost

www.microsoft.com/FastTrack





Iowa-Grant Managing with Microsoft Intune

First Year's Journey

Iowa-Grant IT Challenges

(Before Intune for Education)



IT Team 1.5
1:1 iPads (2-8)
1:1 Windows laptops
(9-12 & staff)
600+ Windows
devices
0 Chromebooks



Struggled with
offsite
authentication &
device
management



GSUITE & MS Office
A1 & Azure
Premium



Students complain
about login
difficulties and
slowness especially
offsite



Wondering if
keeping the
Windows experience
is worth the
headache



IT Staff considering
Chromebooks
because of
management



BrainStorm 2019s purpose for IG was to figure out if there was a way to manage Windows devices in a somewhat intuitive & cost effective manner.



Before Intune ~ 2018-2019

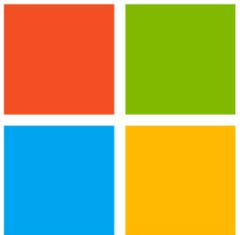
- eDirectory
- Local file structure (H:\ & S:\)
- Google's File Stream (G:\)
- Zenworks Desktop Management
- eDirectory <-> AD -> Azure (users/passwords)
- eDirectory -> Google (users/passwords)
- Little to no use of One Drive
- SIS DataSync to Azure - not using

Wired Machines

- Authenticated with eDirectory
- Housed & Managed w/ ZenWorks
- Local file directories (H:\ & S:\)
- Google File Stream (G:\)

Mobile

- Authenticated with Azure AD
- ZenWorks Management
- Drive File Stream (G:\)

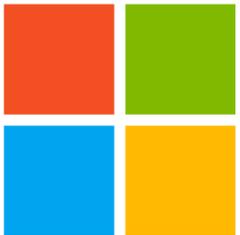


Intune 2019-2020

- Local AD
- Local AD <-> Azure Active Directory (users/passwords)
- Local AD-> Google (users/passwords)
- **No** local file directory
- Google File Stream G:\ Drive
- Little to no use of One Drive
- Little to no use of Data Sync

Devices

- Authenticate with Azure AD
- "Live/Located" in Azure AD
- Managed with Intune
- Drive File Stream (G:\)

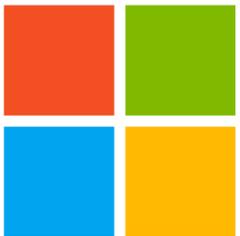


How did you start?

Iowa-Grant would not be using Intune if it wasn't for BrainStorm 2019 and meeting Chris. Microsoft does not make it easy.....

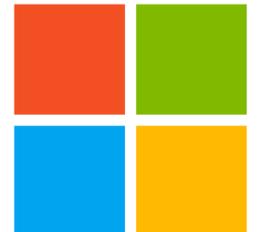
Prior to Implementation

- Transitioning to Google for staff/student directories
- AD syncing with Azure AD (AD Connect)
- Logging into Google & Microsoft **exactly** the same (user doesn't recognize difference)
- SIS Data Sync



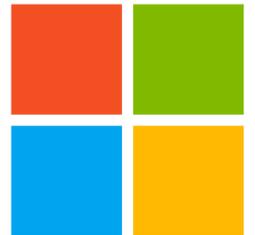
The Good

- Azure Support (Mario), Fast Track (Phil) & Chris' Check-ins
- Device Enrollment
- Device: Administrator or Standard User
- Authentication
- Device Restrictions
- App Installation – MSI & Web Clips (urls)
- Device Office Licensing (2016)
- Windows Imaging & Configuration App for Provisioning (join/name/WIFI)
- "Global" policy enforcement – off/on site – it works
- Implement new features (Bitlocker/Edge Chromium)
- Support tickets ~ good response time



Bad ~ Really Just Annoying

- Navigation ~ too many portals (they're working on this)
- Refreshing of Device Restriction Policies
- Group Hierarchy ~ easily broken
- User policy/app pushout ~ takes time
- Still need base "image" & sys-prep due to older 3-party programs/apps
- Can't copy Device Configuration Profiles & Apps
- Web Clips don't display icon - default browser
- Config Profiles ~ where is it?
- "Big" Intune needed at times for more granularity



Bad ~ Really Just Annoying

Settings app

Block access to the Settings app ⓘ

System settings

Not blocked

Devices

Not blocked

Network & Internet

Not blocked

Personalization

Block

Accounts

Block

Time & language

Not blocked

Ease of Access

Not blocked

Privacy

Not blocked

Update & security

Block

Apps

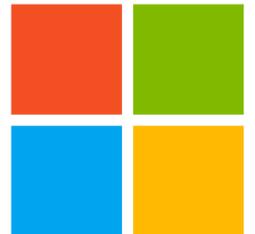
Not blocked

Gaming

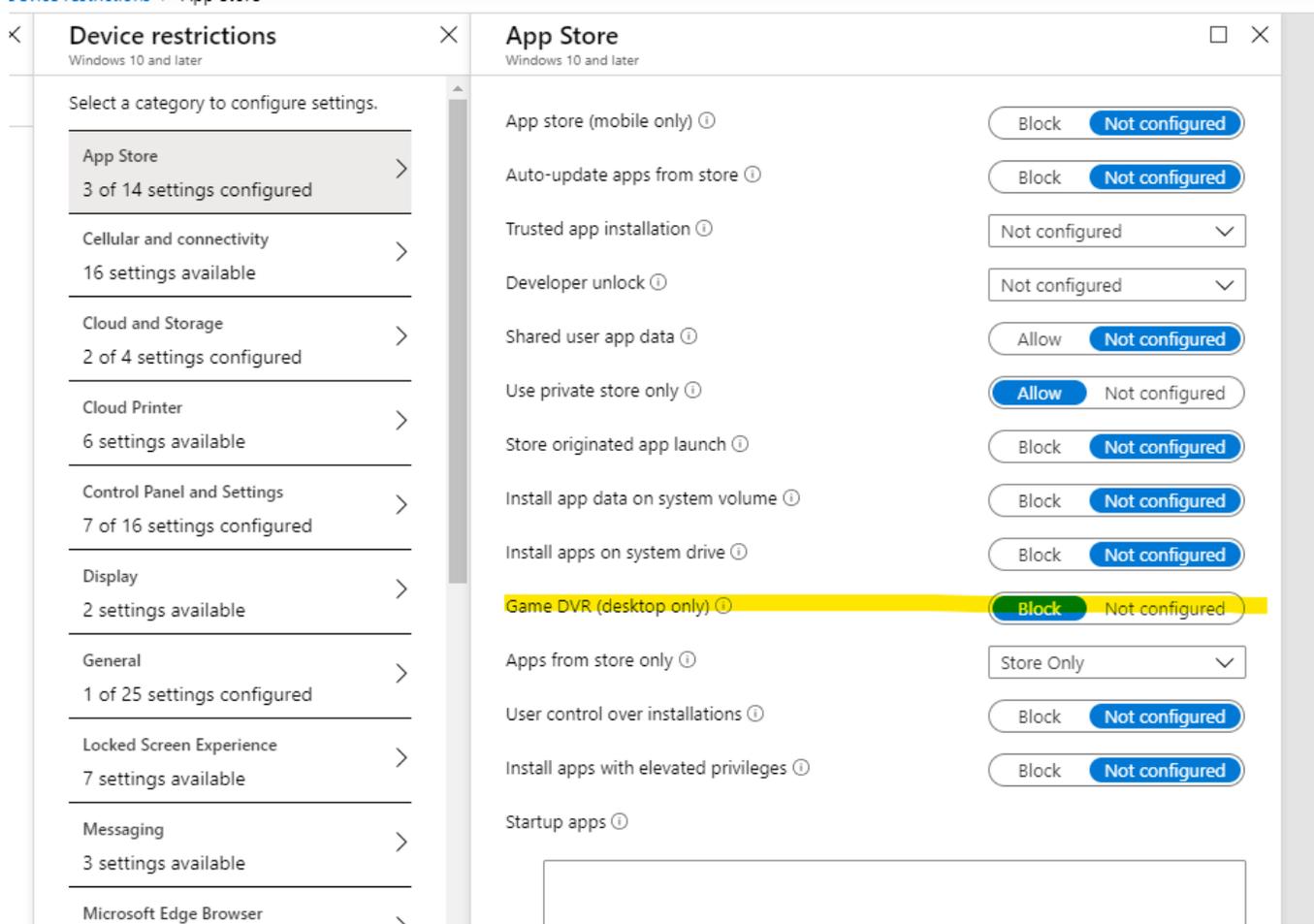
Block

Block

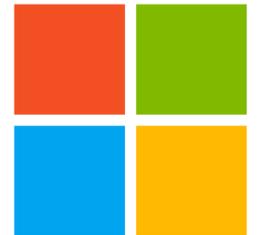
Intune for Education



Bad ~ Really Just Annoying

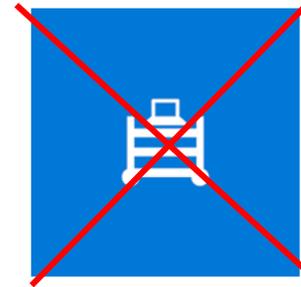


"Big" Intune
Device Management



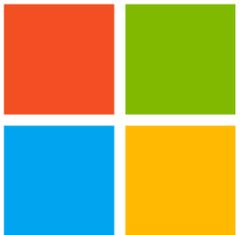
The OMG

- LICENSING!!!
- Reporting
- Provisioning via Set up School PC App
- Roll out Chrome ADMX
- ADMX/GPO rollout **w/o** having devices in local AD
- Legacy Apps Installation
- Printer Installation



Tips

- Separate Device and User Policies
- Careful if using all devices or all user groups for policies
- Default Policies for EDU – defaults to all devices unless unassign
- [Macrium Reflect](#) - Free Edition for making bootable USB drives
- Test, test, test



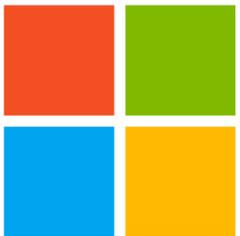
Would you do it again ~ staying with MS?

YES!!

Changes for 2020-2021

- License change ??????
- Redo Group Structure for Devices
- Chrome Policies (hopefully via Intune)
- Utilize MS new Chromium based Edge & it's management
- Use SIS Data Sync to leverage OneNote, Teams, etc
- Understand/leverage MS administration – permissions, sharing monitoring, etc....

MS needs to hold summits/trainings like Google



Questions?

Thank you!!!

